

## Overview

### What's New

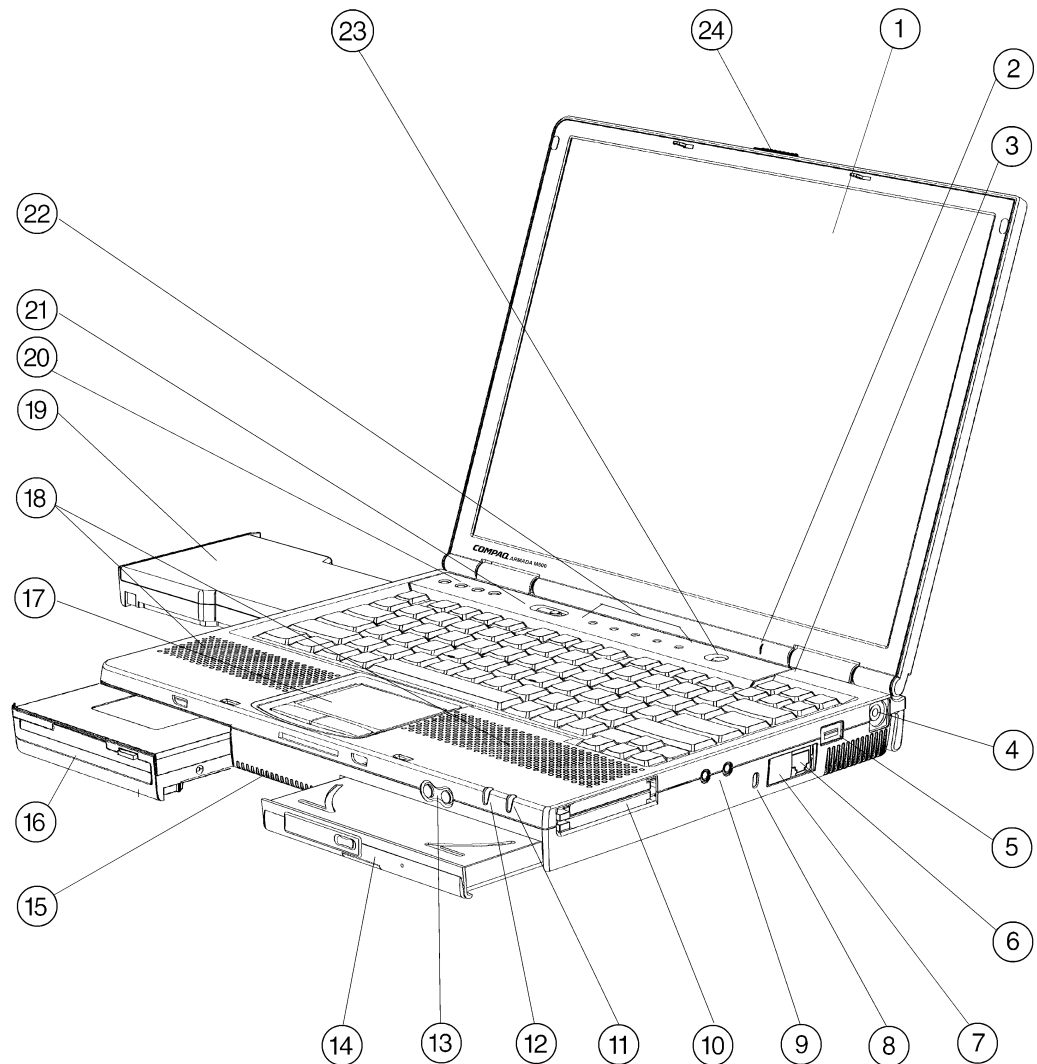
- Intel Mobile Pentium®III processor up to 850 MHz and Mobile Celeron™ processors up to 600 MHz
- 15-inch TFT SXGA+ display
- Four Easy Access Internet Buttons
- Armada E and M Common Preinstalled Software

### At A Glance

- Intel Mobile Pentium III processor up to 850 MHz processors with Intel SpeedStep™ technology in standard configurations
- Up to 15-inch TFT SXGA+ display
- All-in-One 3-spindle design
- Up to three batteries internal
- As little as 5.9 lbs (2.7 kg) and 1.6 in (4.1 cm) thin
- 8-MB Video SDRAM
- User removable hard drive
- Integrated Mini PCI modem /NIC Combo
- Windows 2000/Windows NT 4.0 (Dual Install) or Windows 98SE
- Full-size keyboard
- Common docking solutions across the Armada E and M Series
- Industry-leading PC lifecycle solutions
- Protected by a one-year, worldwide limited warranty — Certain restrictions and exclusions apply. Consult the Product Information Centre at 1-888-88-COMPAQ.

### What's Special

- All in one 3 spindle design with integrated MultiBay and DualBay
- 5.9 lb (2.7 kg) light
- 1.6 in (4.1 cm) thin
- Common docking solutions across the Armada E and M Series
- Industry-leading PC lifecycle solutions



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|--|---|
| 1. Colour display                            | 14. MultiBay (CD-ROM Drive/DVD-ROM Drive/CD-RW Drive secondary hard drive/MultiBay Battery) |
| 2. Microphone                                | 15. Primary Hard Drive (under the Unit)   |
| 3. Lid Switch                                | 16. Dual Bay (Diskette Drive or second Primary Battery)                                     |
| 4. TV/Video out (NTSC/PAL)                   | 17. Touch Pad   |
| 5. Infrared Transceiver                      | 18. Stereo Speakers   |
| 6. Integrated RJ-11, 56K v.90 mini PCI modem | 19. Primary Battery   |
| 7. RJ-45 Ethernet Port on select models      | 20. Easy Access Internet Buttons  |
| 8. Cable Lock Connector                      | 21. Power Switch  |
| 9. Microphone-in/Headphone-out ports         | 22. Status LEDs   |
| 10. PC Card Slots (2)                        | 23. Suspend Button  |
| 11. Battery Power Light                      | 24. Display Latch   |
| 12. AC Power Light/Standby                   |   |
| 13. Volume control/mute                      |   |

## Standard Features

<b>Models</b>	Armada E500	Available in multiple configurations
<b>Processor and Panels</b> <i>One of the following:</i>	<p>15-inch colour TFT SXGA+ with 1400 x 1050 resolution (up to 16.7M colours internal) 850 MHz on Intel Mobile Pentium® III processor</p> <p>15-inch colour TFT XGA with 1024 x 768 resolution (up to 16.7M colours internal) 700 MHz on Intel Mobile Pentium® III processor</p> <p>14.1-inch colour TFT XGA with 1024 x 768 resolution (up to 16.7M colours internal) 800 MHz on Intel Mobile Pentium® III processor 700 MHz on Intel Mobile Pentium® III processor 650 MHz on Intel Mobile Pentium® III processor 600 MHz on Intel Mobile Pentium® III processor</p> <p>13.3-inch colour TFT XGA with 1024 x 768 resolution (up to 16.7M colours internal) 600 MHz on Intel Mobile Pentium® III processor 600 MHz on Intel Mobile Celeron™ processor 550 MHz on Intel Mobile Celeron™ processor</p> <p>Note: Mobile Pentium® III processors, 600 MHz and above, feature Intel <i>SpeedStep™</i> technology. Note: Mobile Pentium® III processors feature 256-KB integrated cache and Mobile Celeron Processors feature 128KB integrated cache.</p>	
<b>Memory</b>	Standard	128-MB or 64-MB 100 MHz SDRAM
	Maximum	512-MB 100 MHz SDRAM
	Note: Due to the non-industry standard nature of some third-party memory modules, we strongly recommend using only Compaq branded Memory modules to ensure compatibility.	
<b>Integrated Communications</b>	User upgradable – Type II Mini PCI	Compaq Global Mini PCI 56K (V.90) Modem  Compaq 56K (V.90) Modem plus Intel PRO/100+ NIC
	Note: Select models of the Armada E500 ship standard with a Compaq Global Mini PCI 56K (V.90) Modem Type II Mini PCI or with a Compaq 56K (V.90) plus Intel PRO/100+ Type II Mini PCI. Note: Designed only to allow faster downloads from v.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Note: Modem availability is subject to country regulatory approval.	
<b>Keyboard</b>	102-key compatible keyboard with isolated, inverted-T cursor control keys, and right-control key, special feature hotkeys for instant access to power conservation, QuickLock/QuickBlank (ex: FN+F6), toggle between internal and external, or simultaneous displays, battery gauge, speaker volume control, brightness and contrast	
<b>Easy Access Internet Buttons</b>	The Armada E500 comes with four Easy Access Internet Buttons allowing quick access to your most popular Internet sites, files and applications. The buttons come pre-set; however, they are user-customizable and designed to increase productivity by providing one-touch access.	
<b>Pointing Device</b>	Touchpad with integrated pick buttons / "Double Tap" mouse-like buttons	
<b>PC Card Slots</b>	Two Type II/One Type III PC Card Slot(s) which support both 32-bit Card Bus (Full support in Windows 9.x and Windows 2000) and 16-bit PC Cards; zoomed video support in bottom slot	

## Standard Features

<b>Storage</b>	Diskette Drives	1.44 MB
	Optical Drives	
	<i>One of the following:</i>	24X CD-ROM Drive
		8X DVD-ROM Drive
		CD-RW Drive
	Hard Drives	20-GB SMART
	<i>One of the following:</i>	12-GB SMART
		10-GB SMART
		6-GB SMART
		5-GB SMART
<b>Multimedia</b>	Compaq Premier•Sound™ for enhanced stereo audio	
	Integrated 16-bit Sound Blaster Pro-compatible stereo audio	
	Integrated stereo speakers and microphone	
	Software/hardware volume control	
	Headphone-out	
	Microphone-in	
	Software MPEG1 support	
	8X DVD-ROM Drive with DVD movie playback software (on select models)	
	24X Max CD-ROM Drive (on select models)	
	RCA Composite TV-out port	
2X AGP graphics		
8-MB SDRAM		
<b>Interfaces</b>	PC Card	Two Type II/One Type III
	Enhanced Parallel EPP/ECP	1
	Serial Port	1
	TV out connector NTSL/PAL	1
	External Monitor	1
	External Keyboard/ Pointing Device	1 Supports Y-cable in order to attach both Keyboard and Mouse simultaneously
	Expansion Base	1
	Headphone/Line-out	1
	Microphone in	1
	DC Power	1
	RJ-11 (modem)	1 (Model dependent)
	RJ-45 (NIC)	1 (Model dependent)
	Infrared Port	1 (4 Mb/s support) (IrDA 4 MB compliant. IR performance will vary depending on performance of IR peripherals and application used.)
	USB	1
	LED status indicators	7

### Standard Features

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<b>Graphics</b>	ATI Mobility PRO, 64-bit video graphics with 8-MB SDRAM for increased colour depth and graphics performance
<b>Operating System</b> <i>One of the following:</i>	Windows 2000/Windows NT 4.0 (Dual Install) <b>Note: On Dual Install systems, the end user must make a one-time selection at initial start up. End users who need to change to another Operating System (OS) other than the one originally selected must obtain a new license for that OS</b>  Windows 98SE (Single Install)
<b>Software</b>	Compaq Insight Management Agents Compaq Intelligent Manageability Diagnostics for Windows 2000, 9.x or NT DVD Solution Compaq Power Management Compaq Security Management Online Safety and Comfort Guide Fax Central for Windows 2000, 98 and NT Acrobat Reader Reference Guide Altiris eXpress
<b>System Recovery</b>	Each unit is shipped with a CD kit for quick recovery (erases hard disk and restores manufacturer installed image) and software recovery (installs only selected standard software).
<b>Intelligent Manageability</b>	Compaq Intelligent Manageability, a key component of PC Lifecycle Solutions, is the broad set of manageability features found on all Compaq Deskpro desktops, Armada portables, Professional Workstation, and ProLiant server products. These best-in-class features on PC clients comply with industry standards, such as DMI and Wired for Management, while pioneering new ground in client manageability. Compaq introduced the industry's first line of manageable clients in 1995 and has been driving the industry ever since. With Compaq's lifecycle management philosophy, enterprises have all of the pieces for end-to-end management and proven tools for hassle-free management of PCs and significantly lower total cost of ownership. Intelligent Manageability offers solutions in the areas of Initial Configuration and Deployment, Asset Tracking and Security, Software Updating and Management, and Fault Notification and Recovery. For more information, visit our Web site: <a href="http://www.compaq.com/im">www.compaq.com/im</a> . <b>Note: This Web site is available in English only.</b>
<b>Security</b>	Configuration Control Hardware Memory Change Alert Ownership Tag Setup Password Power-On Password DriveLock QuickLock QuickBlank Enabled for PC SmartCard options
<b>Power Supply</b>	External AC adapter; 6-foot power cord included. Total length including External AC adapter is 12 feet (3.66 Meters)

## Standard Features

**Battery** 6- or 9-cell Li-Ion battery is provided, depending on model. Battery life of the Pentium® III 850-MHz model using the 9-cell battery is over 3.5 hours, based on standard configuration used. Battery life using an additional 9-cell battery in Dualbay is up to 8 hours. Maximum battery life over 9 and a half hours using a 9-cell battery in the Primary Battery Bay and DualBay along with a 6-Cell battery in the MultiBay. 6-Cell battery in Celeron models only.

Note: Actual results may vary with individual usage. When tested in standard configuration, using Ziff-Davis BatteryMark Test version 3.0, the battery life of the Armada E500 will range up to 4.03 hours. Standard configuration is considered to be one battery, a 14-inch 1024 x 768 x 16 bit colour panel set at 50 percent brightness, Win98, 64 MB RAM, 6 GB HDD, and no other drives other than the hard drive active.

Note: Actual results may vary with individual usage. When tested in standard configuration, using Ziff-Davis BatteryMark Test version 3.0, the battery life of the Armada E500 will range up to 3.5 hours. Standard configuration is considered to be one battery, a 15-inch 1024 x 768 x 16 bit colour panel set at 50 percent brightness, Win98, 64 MB RAM, 12 GB HDD, and no other drives other than the hard drive active.

**Power Conservation** Intel SpeedStep™ technology allows a Battery Optimized Mode where CPU draws 50 percent of normal power yet affords 70 to 80 percent of maximum PIII processing speed.

Hibernation

Instant-On via Standby

Pop-ups with three presets

One custom level of power conservation

ACPI compliant

**MultiBay Devices** Supports swapping with power or in suspend mode under Windows 9.x, Windows 2000 and NT4.0  
 Supports Hot Swapping : CD-ROM, DVD-ROM, MultiBay Battery, Diskette Drive  
 Supports swapping with power in suspend mode: Secondary Hard Drive, 2X LS-120

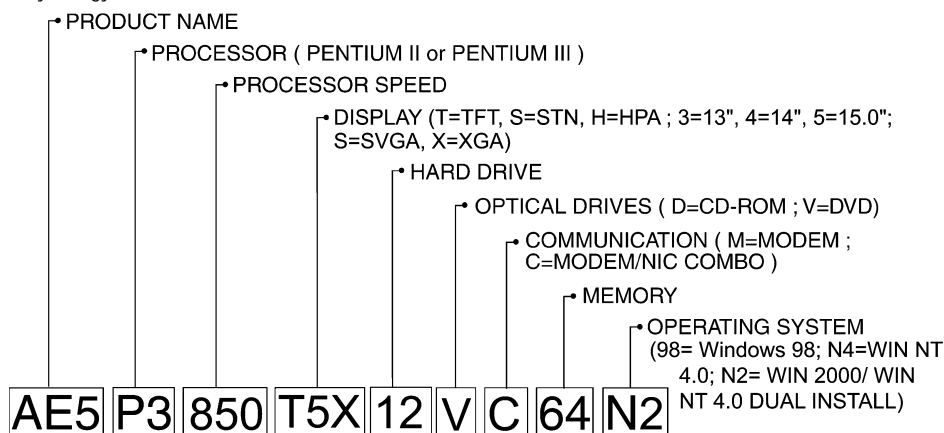
**DualBay Devices** Supports swapping with power or in suspend mode under Windows 9.x, Windows 2000 and NT4.0  
 Supports swapping with power or in suspend mode Diskette drive, Primary battery

**Service and Support** Compaq Services includes a one-year, worldwide limited warranty, pick-up or carry-in, upgrade to on-site warranty or additional two-year warranty available; and toll-free 7 x 24 hardware technical phone support.

Note: Certain restrictions and exclusions apply. Consult the Product Information Centre at 1-888-88-COMPAQ.

**Naming Convention**

The Etymology of a Model Name:



## Standard Features

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<b>AE5 P3850T5P20VC12898</b> 179858-001, -121	<b>Display</b>	15-inch colour TFT SXGA+
	<b>Processor</b>	Intel Pentium III 850 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	128 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	8X DVD-ROM Drive IDE
	<b>Hard Drive</b>	20-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 98SE
	<b>Battery</b>	9-cell Li-Ion

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<b>AE5 P3850T5P20VC128N2</b> 179858-008, -128	<b>Display</b>	15-inch colour TFT SXGA+
	<b>Processor</b>	Intel Pentium III 850 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	128 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	8X DVD-ROM Drive IDE
	<b>Hard Drive</b>	20-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 2000/ Windows NT4.0 (Dual Install)
	<b>Battery</b>	9-cell Li-Ion

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<b>AE5 P3800T4X10DC6498</b> 179855-001, -121	<b>Display</b>	14.1-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 800 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	24X Max CD-ROM Drive IDE
	<b>Hard Drive</b>	10-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 98SE
	<b>Battery</b>	9-cell Li-Ion

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<b>AE5 P3800T4X10DC64N2</b> 179855-008, -128	<b>Display</b>	14.1-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 800 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	24X Max CD-ROM Drive IDE
	<b>Hard Drive</b>	10-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 2000/ Windows NT4.0 (Dual Install)
	<b>Battery</b>	9-cell Li-Ion

### Standard Features

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<b>AE5 P3700T5X12VC6498</b> 174519-001, -121	<b>Display</b>	15-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 700 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	8X DVD-ROM Drive IDE
	<b>Hard Drive</b>	12-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 98
	<b>Battery</b>	9-cell Li-Ion

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<b>AE5 P3700T5X12VC64N2</b> 174519-008, -128	<b>Display</b>	14.1-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 700 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	8X DVD-ROM Drive IDE
	<b>Hard Drive</b>	12-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 2000/Windows NT 4.0 (Dual Install)
	<b>Battery</b>	9-cell Li-Ion

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<b>AE5 P3700T4X12DC6498</b> 179849-001, -121	<b>Display</b>	14.1-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 700 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	24X Max CD-ROM Drive IDE
	<b>Hard Drive</b>	12-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 98SE
	<b>Battery</b>	9-cell Li-Ion

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<b>AE5 P3700T4X12DC64N2</b> 179849-008, -128	<b>Display</b>	14.1-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 700 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	24X Max CD-ROM Drive IDE
	<b>Hard Drive</b>	12-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem / 10/100 TX NIC Combo
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 2000/Windows NT 4.0 (Dual Install)
	<b>Battery</b>	9-cell Li-Ion

## Standard Features

<b>AE5 P3650T4X12VM6458</b> 161609-001, -121	<b>Display</b> <b>Processor</b> <b>Cache Memory</b> <b>Memory</b> <b>Optical Drive</b> <b>Hard Drive</b> <b>Modem</b> <b>Graphics</b> <b>Audio</b> <b>Software</b> <b>Battery</b>	14.1-inch colour TFT XGA Intel Pentium III 650 MHz 256-KB integrated 64 MB (Standard) to 512 MB (Maximum) 8X DVD-ROM Drive IDE 12-GB SMART Mini-PCI v.90 modem 64-bit video graphics with 8-MB SDRAM Compaq <i>Premier•Sound</i> Windows 98 SE 9-cell Li-Ion
<b>AE5 P3650T4X12VM64N2</b> 161609-008, -128	<b>Display</b> <b>Processor</b> <b>Cache Memory</b> <b>Memory</b> <b>Optical Drive</b> <b>Hard Drive</b> <b>Modem</b> <b>Graphics</b> <b>Audio</b> <b>Software</b> <b>Battery</b>	14.1-inch colour TFT XGA Intel Pentium III 650 MHz 256-KB integrated 64 MB (Standard) to 512 MB (Maximum) 8X DVD-ROM Drive IDE 12-GB SMART Mini-PCI v.90 modem 64-bit video graphics with 8-MB SDRAM Compaq <i>Premier•Sound</i> Windows 2000/Windows NT 4.0 (Dual Install) 9-cell Li-Ion
<b>AE5 P3650T4X12VC6458</b> 164764-001, -121	<b>Display</b> <b>Processor</b> <b>Cache Memory</b> <b>Memory</b> <b>Optical Drive</b> <b>Hard Drive</b> <b>Modem</b> <b>Graphics</b> <b>Audio</b> <b>Software</b> <b>Battery</b>	14.1-inch colour TFT XGA Intel Pentium III 650 MHz 256-KB integrated 64 MB (Standard) to 512 MB (Maximum) 24X Max CD-ROM Drive IDE 12-GB SMART Mini-PCI v.90 modem 64-bit video graphics with 8-MB SDRAM Compaq <i>Premier•Sound</i> Windows 2000/Windows NT 4.0 (Dual Install) 9-cell Li-Ion
<b>AE5 P3650T4X12VC64N2</b> 164764-008, -128	<b>Display</b> <b>Processor</b> <b>Cache Memory</b> <b>Memory</b> <b>Optical Drive</b> <b>Hard Drive</b> <b>Modem</b> <b>Graphics</b> <b>Audio</b> <b>Software</b> <b>Battery</b>	14.1-inch colour TFT XGA Intel Pentium III 650 MHz 256-KB integrated 64 MB (Standard) to 512 MB (Maximum) 8X DVD-ROM Drive IDE 12-GB SMART Mini-PCI v.90 modem / 10/100 TX NIC Combo 64-bit video graphics with 8-MB SDRAM Compaq <i>Premier•Sound</i> Windows 2000/Windows NT 4.0 (Dual Install) 9-cell Li-Ion



### Standard Features

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<b>AE5 P3600T4X12DM6458</b> 161607-001, -121	<b>Display</b>	14.1-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 600 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	24X Max CD-ROM Drive IDE
	<b>Hard Drive</b>	12-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 98 SE
	<b>Battery</b>	9-cell Li-Ion
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<b>AE5 P3600T4X12DM64N2</b> 161607-008, -128	<b>Display</b>	13.3-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 600 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	24X Max CD-ROM Drive IDE
	<b>Hard Drive</b>	6-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 98SE
	<b>Battery</b>	9-cell Li-Ion
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<b>AE5 P3600T3X6DM6498</b> 179845-001, -121	<b>Display</b>	13.3-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 600 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	24X Max CD-ROM Drive IDE
	<b>Hard Drive</b>	6-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 98SE
	<b>Battery</b>	9-cell Li-Ion
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<b>AE5 P3600T3X6DM64N2</b> 179845-008, -128	<b>Display</b>	13.3-inch colour TFT XGA
	<b>Processor</b>	Intel Pentium III 600 MHz
	<b>Cache Memory</b>	256-KB integrated
	<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
	<b>Optical Drive</b>	24X Max CD-ROM Drive IDE
	<b>Hard Drive</b>	6-GB SMART
	<b>Modem</b>	Mini-PCI v.90 modem
	<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
	<b>Audio</b>	Compaq <i>Premier•Sound</i>
	<b>Software</b>	Windows 2000/Windows NT 4.0 (Dual Install)
	<b>Battery</b>	9-cell Li-Ion

## Standard Features

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AE5 C1600T3X5DM6498  
202802-001, -121

<b>Display</b>	13.3-inch colour TFT XGA
<b>Processor</b>	Intel Celeron 600 MHz
<b>Cache Memory</b>	128-KB integrated
<b>Memory</b>	64 MB (Standard) to 512 MB (Maximum)
<b>Optical Drive</b>	24X Max CD-ROM Drive IDE
<b>Hard Drive</b>	5-GB SMART
<b>Modem</b>	Mini-PCI v.90 modem
<b>Graphics</b>	64-bit video graphics with 8-MB SDRAM
<b>Audio</b>	Compaq <i>Premier</i> • <i>Sound</i>
<b>Software</b>	Windows 98SE
<b>Battery</b>	6-cell Li-Ion

### Options

<b>Memory</b>	64-MB Memory Upgrade	400312-B21
	128-MB Memory Upgrade	400313-B21
	256-MB Memory Upgrade	161554-B21
	(Due to the non-industry standard nature of some third-party memory modules, we strongly recommend using only Compaq branded Memory modules to ensure compatibility.)	
<b>Monitors</b>	TFT8020 Flat Panel Colour 18-inch (Carbon)	159244-001
	TFT5010 Flat Panel Colour 15-inch (Carbon)	154486-001
	TFT5005 Flat Panel Colour 15-inch (Carbon)	201430-001
	V710 Colour 17-inch	187895-001
	P1100 Colour 21-inch	325606-001
	S910 Colour 19-inch	138485-001
	See all Compaq monitors: <a href="http://www.compaq.com/products/monitors">http://www.compaq.com/products/monitors</a> Note: This Web site is available in English only. Note: AssetControl monitor. AssetControl features are accessible with Compaq desktops featuring Intelligent Manageability. (Certain monitors may not be compatible with the Armada Docking Solutions Monitor Support Stands due to weight.)	
<b>MultiBay Hard Drives</b>	30-GB SMART Hard Drive	212791-B25
	20-GB SMART Hard Drive	212790-B25
	12-GB SMART Hard Drive	163531-B25
	10-GB SMART Hard Drive	212789-B25
	6-GB SMART Hard Drive	173395-B25
<b>MultiBay Storage Devices</b>	SuperDisk 2X LS-120	197895-B25
	24X CD-ROM Drive	298452-B25
	8X DVD-ROM Drive	138230-B25
	CD-RW Drive	136186-B25
<b>Connectivity</b>	1394 PC Card	177593-B25
	Compaq 56K (V.90) Modem plus Intel PRO/100+ Type II Mini PCI Card (NA)	149373-001
	For additional compatible PC Cards, view the Compaq PC Card Solutions List on the Compaq Web site at: <a href="http://www.compaq.com/support/techpubs/pcmcia/">http://www.compaq.com/support/techpubs/pcmcia/</a> . Note: This Web site is available in English only. Note: Designed only to allow faster downloads from v.90 compliant sources. Maximum achievable download transmission rates currently do not reach 56 KB/s, and will vary with line conditions. Note: Modem availability is subject to country regulatory approval.	
<b>Wireless Connectivity</b>	Compaq WL100 11 Mb/s Wireless LAN PC Card	146927-001
	Compaq WL400 11 Mb/s Wireless LAN Hardware Access Point	158603-001
	Compaq WL300 Software Access Point 11Mbps	157209-B21
For more information on Compaq WLAN Wireless LAN solutions visit: <a href="http://www.compaq.com/products/wlan/wl100-specifications.html">http://www.compaq.com/products/wlan/wl100-specifications.html</a> . Note: This Web site is available in English only.		

### Options

<b>Expansion Bases</b>	ArmadaStation EM	383500-001
	ArmadaStation EM With Intel NIC	120266-001
	ArmadaStation Tower Stand	123129-B25
	Convenience Base EM	382500-001
	Convenience Base EM With Intel NIC	120971-001
	Convenience Base Monitor Cover	122931-001
	Port Replicator EM	382300-001
	PCI Cardbus Reader	127397-B25
	<a href="#">Note: ArmadaStation Tower Stand is not supported on 15" Panel models.</a>	
<b>Power</b>	Primary Battery (9-cell)	146252-B25
	Common Armada Power Solutions – Armada E500, Armada M300 and Armada M700	
	MultiBay Battery (6-cell)	387937-B25
	External Battery Charger	135555-001
	AC Adapter 50W	120765-001
	Auto Power Adapter/ Charger	401043-B25
	Aircraft Power Adapter	386504-B21
	AC Line Cord (10-ft)	217932-002
	<a href="#">Note: For Armada E500, can also be used as a second battery in the E500 DualBay.</a>	
<b>Input Devices</b>	External Enhanced III Keyboard (Carbon)	118003-008
	Compaq 2 Button Mouse (Carbon)	103180-B21
	Compaq Scroll Mouse	170299-B21
	External 10-Key Numeric Keypad (Carbon)	294317-B21
<b>Security</b>	Compaq PC Card Fingerprint Identification Technology (FIT)	146805-B25
	Security Cable Lock	294316-B21
	Compaq Smart Card PC Card Reader	135646-B25
<b>Useful Accessories</b>	Compaq Armada Headset with microphone	220460-001
	MP1400 Microportable Projector	174626-004
	MP1800 Microportable Projector	180226-001
	MP2800 Microportable Projector	180228-001
	Multimedia Adapter & Remote Kit for MP 1400 ( <i>comes standard with the MP1800</i> )	174963-001
	MP1800/1400 Lamp replacement kit	189789-001
	MP2800 Lamp replacement kit	215464-001
<b>Carrying Cases</b>	Compaq Armada Headset with microphone	220460-001
	MP1400 Microportable Projector	174626-004
	MP1800 Microportable Projector	180226-001
	MP2800 Microportable Projector	180228-001
	Multimedia Adapter & Remote Kit for MP 1400 ( <i>comes standard with the MP1800</i> )	174963-001
	MP1800/1400 Lamp replacement kit	189789-001
	MP2800 Lamp replacement kit	215464-001
	Compaq Armada Headset with microphone	220460-001
	MP1400 Microportable Projector	174626-004

## Memory

### Compaq Armada E500

#### STANDARD MEMORY

64-MB 100 MHz SDRAM installed in 1 slot

#### STANDARD MEMORY PLUS OPTIONAL MEMORY

Support for up to 320 MB of SDRAM is available with the installation of an optional Memory Upgrade.

#### STANDARD MEMORY REPLACED WITH OPTIONAL MEMORY

Support for up to 512 MB of SDRAM memory is available with the removal of the standard 64 MB SDRAM Memory Upgrade and the installation of optional SDRAM Memory Kits.

Memory		Slot	
		1	2
Standard	64 MB	64 MB	Empty
Optional	96 MB	64 MB	32 MB
Optional	128 MB	64 MB	64 MB
Optional	192 MB	64 MB	128 MB
Optional	320 MB	64 MB	256 MB
Maximum	160 MB	128 MB	32 MB
Maximum	192 MB	128 MB	64 MB
Maximum	256 MB	128 MB	128 MB
Maximum	512 MB	256 MB	256 MB

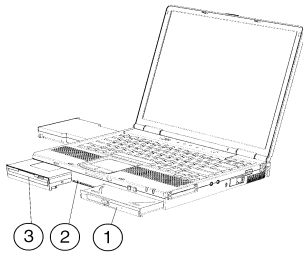
Note: Because one memory slot is occupied on these products, the 64-MB SDRAM Memory (which ships standard) must be removed to reach the maximum memory of 512 MB. This chart does not represent all possible memory configurations.

Following are memory options available from Compaq:

- 256-MB 100-MHz Memory Upgrade            161554-B21
- 128-MB 100-MHz Memory Upgrade        400313-B21
- 64-MB 100-MHz Memory Upgrade         400312-B21

Note: Due to the non-industry standard nature of some third-party memory modules, we strongly recommend using only Compaq branded Memory modules to ensure compatibility.

## Storage



- 1 MultiBay
- 2 Primary Hard Drive
- 3 Dual Bay

### DRIVE SUPPORT

	Quantity Supported	Drive Bay Supported
<b>Removable Media</b>		
1.44-MB Diskette Drive	1	Dualbay
24X Max CD-ROM Drive	1	MultiBay
CD-RW Drive	1	MultiBay
8X DVD-ROM Drive	1	MultiBay
SuperDisk 2X LS-120	1	MultiBay
<b>Hard Drives</b>		
20-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay
18-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay
12-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay
10-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay
6-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay
5-GB SMART Hard Drive	2	Dedicated hard drive bay and MultiBay

## Technical Specifications

<b>System Unit</b>	<b>Dimensions (HxWxD)</b>	15-inch TFT panel display models	12.5 X 10.1 X 1.7 in/ 31.7 x 25.7 x 4.3 cm	
		14.1-inch TFT and lower panel display models	12.4 x 9.99 x 1.6 in/31.5 x 25.3 x 4.1 cm	
<b>Weight</b>		15-inch TFT panel display and modem models	6 to 7.2 lbs/2.73 to 3.27 kg	
		14.1-inch TFT panel display and modem models	5.9 to 7 lbs/2.68 to 3.18 kg	
		13.3-inch TFT panel display and modem models	5.7 to 6.8 lbs/2.59 to 3.08 kg	
<b>Stand-Alone Power Requirements</b>		Nominal Operating Voltage (Li-Ion)	10.8 V	
		Average Operating Power	15W average	
		Peak Operating Power	30W peak	
<b>Power Supply</b>		Rated Input Voltage	90 to 264 VAC (auto-switching)	
		Rated Input Current	< 60W	
		Rated Frequency	47 to 63 Hz	
<b>Temperature</b>		Operating	50° to 95°F/10° to 35°C	
		Non-operating	-4° to 140°F /-20° to 60°C	
<b>Relative Humidity (non-condensing)</b>		Operating	10% to 90% relative humidity, non-condensing	
		Non-operating	5% to 95% relative humidity, 101.6°F/38.7°C Maximum wetbulb temperature	
<b>Shock</b>		Operating	10 G, 11 ms, half-sine	
		Non-operating	60 G, 11 ms, half-sine	
<b>Vibration</b>		Operating	0.5 G zero-to-peak, 10 to 500 Hz, 0.25 oct/min sweep rate	
		Non-operating	1 G, zero-to-peak, 10 to 500 Hz, 0.5 oct/min sweep rate	
<b>Maximum Altitude (unpressurized)</b>		Operating	0 to 10,000 ft/0 to 3,048 m	
		Non-operating	0 to 30,000 ft/0 to 9,144 m	
<b>15-Inch Colour TFT SXGA+ Display</b>	<b>Viewable Dimensions (HxW)</b>	11.97 x 8.98 in/304.1 x 228.1 mm		
	<b>Diagonal Size</b>	15 in/380.1 mm		
	<b>Number of Colours</b>	Up to 16.8M		
	<b>Contrast Ratio</b>	150:1		
	<b>Brightness</b>	100 nit min, 120 nit typ		
	<b>Pixel Resolution</b>	Pitch	0.2175 x 0.2175 mm	
		Format	1400 x 1050	
		Configuration	RGB stripe	
	<b>Backlight</b>	Edge Lit		
	<b>Total Power Consumption</b>	5.25W		

## Technical Specifications

<b>15-Inch Colour TFT XGA Display</b>	<b>Viewable Dimensions (HxW)</b>	11.97 x 8.98 in/304.1 x 228.1 mm	
	<b>Diagonal Size</b>	15 in/380.1 mm	
	<b>Number of Colours</b>	Up to 16.8M	
	<b>Contrast Ratio</b>	150:1	
	<b>Brightness</b>	130 nit min, 150 nit typ	
	<b>Pixel Resolution</b>	Pitch	0.297 x 0.297 mm
		Format	1024 x 768
		Configuration	RGB stripe
	<b>Backlight</b>	Edge Lit	
	<b>Total Power Consumption</b>	4.5W	

<b>14.1-Inch Colour TFT XGA Display</b>	<b>Viewable Dimensions (HxW)</b>	11.22 x 8.46 in/28.5 x 21.5 cm	
	<b>Diagonal Size</b>	14.1 in/35.81 cm	
	<b>Number of Colours</b>	Up to 16.8M	
	<b>Contrast Ratio</b>	150:1	
	<b>Brightness</b>	120nit min, 150nit typ	
	<b>Pixel Resolution</b>	Pitch	0.264 x 0.264 mm
		Format	1024 x 768
		Configuration	RGB stripe
	<b>Backlight</b>	Edge Lit	
	<b>Total Power Consumption</b>	4.2W	

<b>13.3-Inch Colour TFT XGA Display</b>	<b>Viewable Dimensions (HxW)</b>	7.9 x 10.6 in/20.1 x 26.9 cm	
	<b>Diagonal Size</b>	13.3 in/33.8 cm	
	<b>Number of Colours</b>	Up to 16.8M	
	<b>Contrast Ratio</b>	Minimum 100:1	
	<b>Brightness</b>	120nt min, 150nt typ	
	<b>Pixel Resolution</b>	Pitch	0.264 x 0.264 mm
		Format	1024 x 768
		Configuration	RGB stripe
	<b>Backlight</b>	Edge Lit	
	<b>Total Power Consumption</b>	4.1W	



## Technical Specifications

Hard Drives	30 GB	<b>Capacity</b>	30 GB	
		<b>Height</b>	0.5 in/12.7 mm	
		<b>Width</b>	2.75 inch/69.85 mm	
		<b>Interface</b>	ATA-4	
		<b>Transfer Rate Synchronous</b>	Maximum DMA	33.3 MB/s (Mode 2)
			Maximum UDMA	66.6 MB/s (Mode 4)
		<b>Seek Time</b> (typical reads, including settling)	Single Track	2.5 ms
			Average	12 ms
			Full-Stroke	23 ms
		<b>Rotational Speed</b>	4200 rpm	
<b>Logical Blocks</b>	~ 58,605,120			
<b>Operating Temperature</b>	41° to 131°F/5° to 55°C			
<p>Note: Compatible with the Armada E500 primary HDD bay and all platforms and docking stations using the 12.7mm MultiBay.</p>				
	20 GB	<b>Capacity</b>	20 GB	
		<b>Height</b>	0.374 in/9.5mm	
		<b>Width</b>	2.75 in/70 mm	
		<b>Interface</b>	ATA	
		<b>Transfer Rate Synchronous (Maximum)</b>	66.6 MB/s (Drive Capability)	
		<b>Security</b>	ATA Security	
		<b>Seek Time</b> (typical reads, including settling)	Single Track	3 ms
			Average	12 ms
			Maximum	23 ms
		<b>Rotational Speed</b>	4,200 rpm	
	<b>Logical Blocks</b>	~ 39,070,080		
	<b>Operating Temperature</b>	41° to 131°F/5° to 55°C		
	12 GB	<b>Capacity</b>	12 GB	
		<b>Height</b>	0.374 in/9.5 mm	
		<b>Width</b>	2.75 in/70 mm	
		<b>Interface</b>	ATA	
		<b>Transfer Rate Synchronous (Maximum)</b>	66.6 MB/s (Drive Capability)	
		<b>Security</b>	ATA Security	
		<b>Seek Time</b> (typical reads, including settling)	Single Track	3 ms
			Average	12 ms
			Maximum	24 ms
		<b>Rotational Speed</b>	4,200 rpm	
	<b>Logical Blocks</b>	~ 23,579,136		
	<b>Operating Temperature</b>	41° to 131°F/5° to 55°C		

## Technical Specifications

Hard Drives <i>(continued)</i>	10 GB	Capacity	10 GB		
		Height	0.374 in/9.5 mm		
		Width	2.75 in/70 mm		
		Interface	ATA		
		Transfer Rate Synchronous (Maximum)	66.6 MB/s (Drive Capability)		
		Security	ATA Security		
		Seek Time (typical reads, including settling)	Single Track	3 ms	
			Average	12 ms	
			Maximum	23 ms	
			Rotational Speed	4,200 rpm	
Logical Blocks	~ 19,640,880				
Operating Temperature	41° to 131°/5° to 55°C				
	6 GB	Capacity	6 GB		
		Height	0.374 in/9.5 mm		
		Width	2.75 in/70 mm		
		Interface	ATA		
		Transfer Rate Synchronous (Maximum)	66.6 MB/s (Drive Capability)		
		Security	ATA Security		
		Seek Time (typical reads, including settling)	Single Track	3 ms	
			Average	12 ms	
			Maximum	24 ms	
			Rotational Speed	4,200 rpm	
Logical Blocks	~ 11,733,120				
Operating Temperature	41° to 131°/5° to 55°C				
	5 GB	Capacity	5 GB		
		Height	0.374 in/9.5 mm		
		Width	2.75 in/70 mm		
		Interface	ATA		
		Transfer Rate Synchronous (Maximum)	66.6 MB/s (Drive Capability)		
		Security	ATA Security		
		Seek Time (typical reads, including settling)	Single Track	4ms	
			Average	12 ms	
			Maximum	23 ms	
			Rotational Speed	4,200 rpm	
Logical Blocks	~ 9,767,520				
Operating Temperature	41° to 131°/5° to 55°C				

## Technical Specifications

Diskette Drive	Diskette Size	3.5 in		
	Light	On system		
	Height	0.5 in/12.7 mm		
	Bytes per Sector	512		
	Sectors per track	High density	18 (1.44 MB)/15 (1.2 MB)	
		Low density	9	
	Tracks per side	High density	80 (1.44 MB)/80 (1.2 MB)	
		Low density	80	
	Read/Write heads	2		
	Access Times	Track-to track (high/low)	3 ms/6 ms	
		Average (high/low)	94 ms/174 ms	
Settling time		15 ms		
Latency average		100 ms		

External AC Adapter	Dimensions (HxWxL)	1.10 x 3.70 x 157 in/2.8 x 9.4 x 4.0 cm		
	Weight	0.43lb/ 0.2 kg		
	Power Supply (Input)	Operating Voltage	90 to 264 VAC RMS	
		Operating Current	1.3 A RMS	
		Operating Frequency Range	47 to 63 Hz AC	
Maximum Transient		15 kV		

Li-Ion Battery Pack (9-cell)	Dimensions (HxWxL)	0.84 x 3.8 x 5.6 in/2.1 x 9.5 x 14.2 cm		
	Weight	1 lb/0.455 kg		
	Energy	Voltage	10.8 V	
		Amp-hour capacity	4.8 Ah	
		Watt-hour capacity	52 Wh	
Temperature	Operating	50° to 95°F/10° to 35°C		
	Non-operating	-12° to 140°F/-25° to 60°C		

Li-Ion Battery Pack (6-cell)	Dimensions (HxWxL)	0.84 x 3.8 x 5.6 in/2.1 x 9.5 x 14.2 cm		
	Weight	0.7 lb/0.303 kg		
	Energy	Voltage	10.8 V	
		Amp-hour capacity	3.2 Ah	
		Watt-hour capacity	34 Wh	
Temperature	Operating	50° to 95°F/10° to 35°C		
	Non-operating	-12° to 140°F/-25° to 60°C		

## Technical Specifications

<b>Compaq 56K (V.90) plus Intel PRO/100+ Mini PCI</b>	<b>Form Factor</b>	Mini-PCI Type 1B and 2B per Specification
	<b>OS Support</b>	Windows 98 (Gold, SE) Windows 2000, NT4.0, DOS Application Support under Windows
	<b>Power Management Support</b>	APM Revision 1.2, ACPI, Compaq Power Management Extensions for Windows NT
	<b>Approvals/Certifications</b>	UL, CSA, NEMKO, CCIB, Industry Canada, FCC Part 68, CTR21, FCC Part 15 Class B, Canadian ICES-003 Class B, C.I.S.P.R.22, Australian ACA, CE Mark, Other Countries
	<b>Modem Device Driver Name</b>	Compaq 56K (V.90) Mini PCI
	<b>Data Mode Capabilities</b>	V.90 (a-law, mu-law) K56flex (a-law, mu-law) V.8bis V.80 V42.bis, MNP5 (Compression) V.42 (LAPM, MNP2-4) (Error Correction) V.34 (file date: 10/96) Optional symbol rates: 2800, 3,429 Asymmetric Symbol rates Synchronous primary channel data signaling rates: Automatic rate re-negotiation V.32bis V.32 V.23 V.22bis V.22 V.21 Bell 212A Bell 103J
	<b>Fax Mode Capabilities</b>	TIA-578-S (Class 1) T.30, T.4 (Group 3) V.17 V.29 V.27ter V.21 Channel 2
	<b>Command Set</b>	V.250 (Partial) TIA-602 Identification: +GMI, +GMM, +GMR Port control: +IPR, +ICF, +IFC, +lirr Modulation: +MS, +MR, +MA Error control: +ES, +ER, +EB, +ESR, +ETBM Data compression: +DS, +DR V.251
	<b>Ethernet Features</b>	10 Mb/s Ethernet: IEEE 802.3 standard 10Base T 100 Mb/s Ethernet: IEEE 802.3u standard 100Base TX Full-Duplex at 10 and 100 Mb/s Auto-Negotiation Wake on LAN from all power managed states, including soft off (S5) Boot on LAN from OFF Lower Power State on Link Loss
	<b>Data Link Layers</b>	IEEE 802.2 LLC SNAP

## Technical Specifications

<b>Compaq 56K (V.90) plus Intel PRO/100+ Mini PCI</b> <i>(continued)</i>	<b>Software support</b>	Artisoft Lantastic 7.0, 8.0, Dedicated Server 1.1		
		Banyan 7.x, 8.5x IBM LAN Server Version 1.2, 1.3, 2.0, 4.0 Microsoft NT 3.51, Windows 2000, NT 4.0 Novell Netware 3.1x, 4.x, 5.x		
	<b>Protocol support</b>	TCP/IP		
		Novell IPX/SPX and Microsoft compatible Novel IPX ODI Microsoft NetBEUI Sun Microsystems PC-NFS Banyan Vines Ethernet IBM DLC		
<b>24X CD-ROM Drive</b>	<b>Applicable Disk</b>	CD-ROM (Mode 1, 2 and 3), CD-XA ready (Mode 2, Form 1 and 2), CD-I ready (Mode 2, Form 1 and 2), CD-R (read only), CD Plus, Photo CD (Single and Multi-session), CD-Extra, Video CD, CD-WO (fixed packets only), CD-Bridge		
	<b>Center Hole Diameter</b>	0.59 in/15 mm		
	<b>Disk Diameter</b>	12 cm, 8 cm		
	<b>Disk Thickness</b>	1.2 mm		
	<b>Track Pitch</b>	1.6 µm		
	<b>Access Times</b> (typical reads, including settling)	Random	< 150 ms	
		Full-Stroke	< 300 ms	
	<b>Cache Buffer</b>	128 KB		
	<b>Data Transfer Rate</b> (typical, including settling)	Sustained (16X)	2400 KB/s (150 KB/s at 1X)	
		Variable	1500 to 3600 KB/s (10X to 24X)	
		Normal PIO Mode 4 (single burst)	16.66 MB/s	
<b>Start-up Time</b>	< 8 seconds			
<b>Stop Time</b>	< 4 seconds			

## Technical Specifications

8X DVD-ROM Drive	<b>Center Hole Diameter</b>	0.59 in/0.39 cm		
	<b>Disk diameter</b>	12 cm/8 cm		
	<b>Disk thickness</b>	1.2 mm		
	<b>Track Pitch</b>	0.74 $\mu$ m		
	<b>Access Times</b> (typical reads, including settling)	Random (typical)	< 180 ms DVD Media	
		Full-Stroke (typical)	< 300 ms DVD Media	
		Random (typical)	< 120 ms CD Media	
		Full-Stroke (typical)	< 200 ms CD Media	
	<b>Cache Buffer</b>	128 KB/s (minimum)		
	<b>Data Transfer Rate</b> (typical, including settling)	Max 24X CD	3600 KB/s (150 KB/s at 1X CD rate)	
Max 8X DVD		10,800 KB/s (1352 KB/s at 1X DVD rate)		
Normal PIO Mode 4 (single burst)		16.6 MB/s		
<b>Start-up Time</b>	<15 seconds			
<b>Stop Time</b>	< 6 seconds			

Compaq recommends Windows 2000 Professional for business.

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